Average cost of ev charger

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As subject matter experts, we provide only objective information. We design every article to provide you with deeply-researched, factual, useful information so that you can make informed home electrification and financial decisions. We have:

Sourced the majority of our data from hundreds of thousands of quotes through our own marketplace.

Incorporated third-party data and information from primary sources, government agencies, educational institutions, peer-reviewed research, or well-researched nonprofit organizations.

Built our own database and rating system for solar equipment, including solar panels, inverters, and batteries.

We won"t charge you anything to get quotes through our marketplace. Instead, installers and other service providers pay us a small fee to participate after we vet them for reliability and suitability. To learn more, read about how we make money, our Dispute Resolution Service, and our Editorial Guidelines.

As the shift to electric vehicles (EVs) continues, a fundamental question remains: what does it cost to charge an EV? On average, it costs $0.05 per mile to charge your EV, but the price you pay depends on where you live, your electricity source, your EV battery, and more.

While you likely have experience filling up a gas tank, charging an EV battery is a totally different experience. We"ve created this guide to help you understand the various factors that impact your EV charging costs and how these costs compare to similar gas-powered cars.

You can expect to pay around $0.05 per mile to charge your EV compared to $0.13 per mile to fuel your gas-powered car.

You"ll likely pay more upfront for an EV than a comparable gas car, but EVs are typically more cost-effective over their lifetime.

The cost of charging an EV depends on several factors, including your electricity source, the size of your EV"s battery, the type of EV charger you use, where you live, and when you charge your EV.

You"ll need to understand two key data points to calculate your EV charging costs: the electricity required to charge your EV"s battery and the price per kilowatt-hour (kWh) of electricity. The simplest way to calculate this is to use your utility"s electric rate and your EV"s battery capacity, but keep in mind that the amount of energy needed to charge your EV is greater than the battery size. Not every unit of electricity recruited to charge your EV makes it to the battery, meaning that some energy is lost during the charging process.

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The total amount you pay to charge your EV depends on the type of charger you use, where you live, when and where you charge, and more. On average, you can expect to pay around $0.05 per mile in EV charging costs. Let"s break down the charging costs of popular EV models using the average cost of electricity in the U.S. (16.19 cents) and recharge event energy data filed with the Environmental Protection Agency (EPA).

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